

ELECTRO-MOTIVE

F R E I G H T L O C O M O T I V E

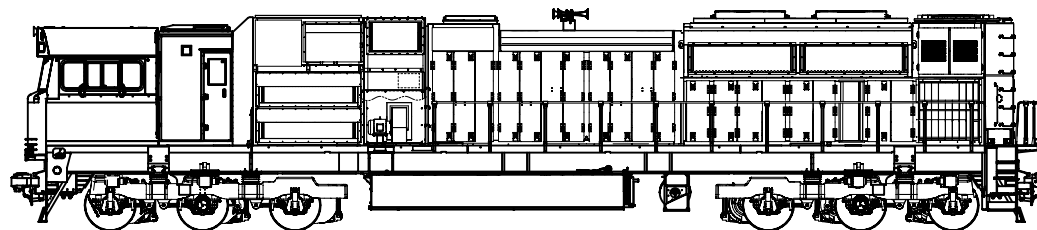
SD70ACe/LW

SD70ACe/Lw Lightweight Locomotive Benefits

- Features highly reliable 710 Series engine - 16 cylinder, two-stroke, turbocharged
 - EU Stage IIIB emissions capable
 - Operates on B20 (concentrations up to 20% B100 biofuel)
 - Tuned for maximum fuel efficiency
- Operates in extreme weather conditions and climates down to -50°C
- Inverter Driven Accessories for improved fuel economy
- Sets standards with a 184-day maintenance interval
- High Adhesion, Radial Bogie Design
- Isolated Cab for reduced driver exposure to noise and vibration
- EMD Functionally Integrated Railroad Electronics (FIRE)
Man Machine Interface
- Designed to meet GOST 9238-1T Clearance Profile
- Optional IntelliTrain® remote monitoring and diagnostic services

EM2000™ Microprocessor Control System

- Excitation and load control
- Adhesion control
- Engine control
- Diagnostic system
- Archived unit history data



SD70ACe/Lw Lightweight Locomotive Technical Details

Locomotive Traction System	AC Traction
Diesel Engine	16-710G3C-T1
Number of Axles	6
Locomotive Height	4,826 mm
Length Over Couplers	22,630 mm
Traction Horsepower	3,242 kW
Maximum Speed	120 kph
Starting Tractive Effort	660 kN
Dynamic Braking Effort	425 kN
Fuel Capacity (useable)	8,000 liters
Maintenance Interval	184 days
Nominal Weight	150 mT
Maximum Axle Load	25 mT
Track Gauge	1,520 mm